

Figure 1-A

T. reesei eg16 nucleotide sequence (coding and non-coding)

CCACGGTCCGAGCAGTGTCTCTCCTCCTCCTCATGAAGTCTCTCGAGTCTTGTCCCCTTGTCTGCGGCGCGT
CATCCCTGCCCATGTGCTTTCATGGAAGAACGTCAAGCTCGCGGGCGGGCGGCTTCTGTCCTCCGGCATCATCTTCCA
TCCCAAGACAAAAGGCGTAGCATATGCACGAACAGATATTGGCGGGCTGTACCGCTTCAACGCCGACGACTCATGGACCGC
CGTCACGGATGGGATGTGATGATGCGGGCTGGACAACTGGGCGATCGACGCTGTTCGCTTGTATCCGACGACGATCA
AAAGGTGTATGCCCGCAGTCCGCGATGTATACGAACAGCTGGGATCCGAGTAATGGAGCCATCATTCGCTCGTCAGACCGCGG
CGAACGTGTCCTTCACCAACTTGCCCTTCAAAGTCGGGGTAACATGCCAGGACGCGGAGCGTCTGGCTGT
CGATCCGGCCAACTCCAAACATCATCTACTTTGGTGTCTCGCTCAGGAAACGGCTCTGGAAAGTCTACGGACGGCGGCGGTGAC
CTTTTCCAAGTCTCGTCTGTTACCGCAACTGGGACGTACATCCAGACCCGAGTGATTCACACGGCTACAAACAGCGACAA
GCAAGACTCATGTGGTTACGTTTCGACTCAACAGCAGACGACCGGGGAGCCACGCTCTCGTATCTTTGTGGCAGCGG
TGATAACATCACTGCTTCACTGTATGTAGCAGCAATGCCGGTCCACGTGGAGTGTACCGGGGCGAGCCAGGGAAATA
CTTTCCTCACAAAGCGAAACTGACGCCAGCAGAGAAAGGCTTGTATCTGACCTATTCGATGGCACAGGCGCGTATGATGG
CACACTTGGCTCAGTGTGGAGGTACGACATTCGAGGGGAACTTGGAAAGACATCACCCCTGTCTCTGGATCAGATCTATA
CTTTGGCTTTGGCGCTTGGCTCGATTTGCAAAAGCCAGGAACCTTGTGTCTTTTGAACCTTTGTGGCCAGA
TGCTCAGCTGTTTGGTCCGACCGACTCTGGGACAAACATGGAGCCCGATCTGGGCGTGGGCGAGCTATCCGACTGAGACCTA
TTACTACAGCATCTCAACTCCCAAAGCACCGTGGATCAAGAACAACCTTATCGATGTGACGAGCGAGTCACCGTCCGATGG
TCTCATCAAGCGCTCGGCTGGATGATTGAGTCTCTCGAGATTGACCCAAACCGACAGCAACCACTGGCTCTACGGCACCGG
AATGACAACTTTTGGCGGCCACGATCTCACCAACTGGGACACCGGCCCAATGTGTCAATCCAATCACTGGCAGACGGCAT
CGAGGAATTCTCCGTCCAGGACCTGGCTCTGCAACCGCGGGAAGCGAGCTATTGGCCGCGAGTCGGAGACGACAACGGCTT
CACCTTTGCCAGCAGAAAACGACCTCGGGACATCGCCGCGAGACGCTGTGGCAACGCCCAACATGGGCCACCTCGACGAGCGT
CGACTACGCCGGAACTCGGTCAAGAGCGTCTCGCGTCCGCAACACCGCCGCGACGCAACAGGTGGCCATCTCGTCCGA
CGGGCGCGGACGTGGAGCATCGACTACCGGGCCGACACGTCCATGAACGGCGGCGACCGTGGCTTATTCGGCCGACGGCGA
CACGATCCTCTGTCGACCGCTCGTCCGGGTGACGCTCGCAGTTCAGGGCAGCTTTGCCCTCCGCTCTCGAGCTGCC
CGGGGCGCGCTCATCGCTCGGAACAAGAAGACCAACAGCGTCTTCTACGCCGGCTCCGGATCGACCTTTTACGTACGCAA
GGACACCGGCGAGCCTTCACGCGGGGCCCCAAGCTGGGACGCGCAGGACGATCCGGGATATCGCTGCTCACCCGACCAC
CGGGGCGACGTTGTATGTCTCGACCGACGTCGGCATATTCCGCTCCACAGACTCGGGCAGCACCTTTTGGCCAAAGTCTCCAC
CGCCCTGACCAACACCTACCAGATCGCCCTGGGTGTGGCTCAGGCTCGAACTGGAACCTGTATGCCTTCGGCACCGGCCCC

Figure 1-B

T. reesei *egl6* nucleotide sequence

GTCAGGGGCTCGCCTCTACGCCAGTGGAGACAGCGGGCGCCTCCTGGACGGACATCCAGGGTCCCAGGGCTTCGGCTCCAT
CGACAGCAACCAAGTCCCGGAGCGGAGCACCGCGGGCAAGTCTACGTGGCACCAACGGCCGGGCGTCTTTTACGC
TCAGGGAAACCGTCGGCGGGCACGGGGGGACTTCCTCGTCGACCAAGCAGAGCAGCAGTACCTCTTCCGCCAGCTC
GAGCACACGCTGAGTCGAGCGTTGTATCCACGACCCGGGCTTCGACGGTGACTTCGTCCGAGGACCAAGCTCGGCCCGCGG
TCCACAGGGGTCAGGGGTCGCCGGTCATTATGCTCAGTCCGAGGGATTGGGTGGACGGGGCCGACGACGTGTGTGGCGCC
GTATGTCTGCCAGAAAGCAGAAATGATTATTACTACAGTGTGTGATGCTTGAAGTCCAGGAGAGCTACAT
ACCCCTAGGCTCGCAGTAAAGAGCTCAAGCATCCGAAGACACTAGTAGAGATCCAGTCAGATAATTATCCATTGT
TTGAATTAAATGATCTTCTATTGAAAAA

Predicted *T. reesei* eg16 amino acid sequence

MKVSRLALV LGAVIPAHAA FSKNVKLG GGFVPGIIF HPKTKGVAYA RTDIGGLYRL NADDSWTAVT
10 20 30 40 50 60 70

DGIADNAGWH NWGIDAVALD PQDDQKVYAA VGMYTNSWDP SNGAIIRSSD RGATWSFTNL PFKVGNMPPG
80 90 100 110 120 130 140

RGAGERLAVD PANSNIIYFG ARSGNGLWKS TDGGVTFSKV SSFTATGTYI PDPSPDSNGYN SDKQGLMWVT
150 160 170 180 190 200 210

FDSTSSTTGG ATSRIFVGT DNITASVYVS TNAGSTWSAV PGQPGKYFFH KAKLQPAEKA LYLTYSDGTG
220 230 240 250 260 270 280

PYDGTLSVW RYDIAGGTWK DITPVSGSDL YFGFGLGLD LQKPGTLVVA SLNSWPPDAQ LFRSTDGTT
290 300 310 320 330 340 350

WSPWAWASY PTETYYYSIS TPKAPWIKNN FIDVTSESPS DGLIKRLGWM IESLEIDPTD SNHWLYGTGM
360 370 380 390 400 410 420

TIFGGHDLTN WDTRHNYSIQ SLADGIEEFS VQDLASAPGG SELLAAGVDD NGFTFASRND LGTSPQTVWA
430 440 450 460 470 480 490

TPTWATSTV DYAGNSVKSV VRVGNTAGTQ VAISSDGGAT WSIDYAADTS MNGGTVAISA DGDITLWSTA
500 510 520 530 540 550 560

SSGVQRSQFQ GSFASVSSLP AGAVIASDKK TNSVFYAGSG STFVVSCKDTG SSFTRGPKLG SAGTIRDIAA
570 580 590 600 610 620 630

FIGURE 2-B

Figure 2-B

Predicted *T. reesei* egl6 amino acid sequence

HPTTAGTLYV	STDVGIFRST	DSGTTFGQVS	TALTNTYQIA	LGVGSGSNWN	LYAFGTGPSG	ARLYASGDSG	
640	650	660	670	680	690	700	
ASWTDIQGSQ	GFGSIDSTKV	AGSGSTAGQV	YVGTNGRGVF	YAQGTVGGGT	GGTSSSTKQS	SSSTSSASSS	
710	720	730	740	750	760	770	
TTLRSSVVST	TRASTVTSSR	TSSAAGPTGS	GVAGHYAQCG	GIGWTGPTQC	VAPYVCQKQN	DYYYQCV	
780	790	800	810	820	830	837	